# Listing of the Claims:

- 1. (original) A vehicle washing system comprising:
- a frame;

a moveable platform having a left end and a right end, the moveable platform being (i) capable of vertical movement relative to the frame, (ii) suspended from above the frame generally proximate one end, and (iii) supported from below the frame generally proximate an opposite end; and

one or more nozzles, the one or more nozzles operatively coupled to the movable platform.

- 2. (original) The vehicle washing system of claim 1, wherein the one or more nozzles are operatively coupled to the moveable platform by way of one or more wands, the one or more wands being moveably coupled with the movable platform.
  - 3. (original) The vehicle washing system of claim 1, further comprising:

a non-extensible, flexible, elongated member having a first end, a second end, the elongated member being slidably coupled to the frame;

wherein the movable platform is suspended proximate said one end by the first end and is connected to the second end proximate said opposite end.

- 4. (original) The vehicle washing system of claim 3, wherein the elongated member comprises a chain.
- 5. (original) The vehicle washing system of claim 3, wherein the elongated member comprises a belt.
- 6. (original) The vehicle washing system of claim 3, wherein the elongated member comprises a cable.

- 7. (original) The vehicle washing system of claim 3, wherein the elongated member is slidably connected with the frame by way of one or more pulleys.
- 8. (original) The vehicle washing system of claim 7, wherein the frame has an inverted U-shape and comprises a left leg, a right leg, and a top side, the top side spanning the distance between the right and left legs.
- 9. (original) The vehicle washing system of claim 8, wherein a portion of the elongated member between the first and second ends has a portion length, the portion length being generally coextensive with the length of the top side.
- 10. (original) The vehicle washing system of claim 8, wherein the elongated member extends vertically from the first end through a first pulley located in a top section of the left leg, along the top side in a generally horizontal orientation, through a second pulley located in a top section of the right leg, vertically downward to a third pulley at a base of the right leg, and vertically upward to the second end.
- 11. (original) The vehicle washing system of claim 8, further including means for moving the frame linearly relative to a vehicle, the inverted U-shaped frame passing over the vehicle.
- 12. (original) The vehicle washing system of claim 1, wherein said opposite end is supported by a lift actuator, the lift actuator being capable of vertical movement.
- 13. (original) The vehicle washing system of claim 12, wherein the lift actuator comprises a pneumatic cylinder.
  - 14. (original) The vehicle washing system of claim 13, further comprising:
- (i) a pressurized air tank, the pressurized air tank pneumatically coupled to the lift actuator through a pneumatic switch; and
  - (ii) an air compressor pneumatically coupled to the lift actuator;

wherein upon a power interruption to the air compressor, the pneumatic switch opens to cause pressurized air to flow from the air tank to the lift actuator, raising the moveable platform vertically upwardly.

- 15. (original) The vehicle washing system of claim 1, wherein the moveable platform further comprises:
  - a left bracket suspended within the frame;
  - a right bracket supported within the frame;
- a reciprocating pivotal actuator fixedly attached to the right bracket, the reciprocating pivotal actuator having a reciprocating shaft;
- a boom having an axis and right and left boom ends, the left boom end being rotatably attached to the left bracket, and the right boom end being attached to the reciprocating shaft.
- 16. (original) The vehicle washing system of claim 15, wherein the reciprocating pivotal actuator is pneumatically powered.
  - 17. (original) The vehicle washing system of claim 1, further comprising:

one or more vertically orientated guide rails attached to the frame;

one or more guide members coupled to said moveable platform, each guide member being in slidable communication with the at least one of the one or more vertically orientated guide rails, wherein lateral movement of the moveable platform is minimized.

- 18. (original) The vehicle washing system of claim 2, wherein the nozzles are 0-degree nozzles and the one or more wands rotate relative to the moveable platform.
- 19. (original) The vehicle washing system of claim 2, wherein the nozzles are turbo nozzles and the one or more wands reciprocate relative to the moveable platform.

- 20. (original) The vehicle washing system of claim 15, wherein the reciprocating pivotal actuator is configured to selectively rotate the boom to a plurality of angularly related positions and hold the boom in anyone of the plurality of positions.
- 21. (original) The vehicle washing system of claim 15, wherein the reciprocating pivotal actuator selectively applies a clockwise or counterclockwise bias to the boom, and the moveable platform further comprises:
- a follower arm, the follower arm including (i) a proximal end fixedly attached to the boom, (ii) a distal end radially and downwardly disposed from the boom, and (iii) left and right sides, the left and right sides spaced apart by a follower arm width;
- a rear frame member attached with the frame having a first guide face, the first guide face having (a) an first upper section, the first upper section being substantially vertically orientated, and (b) a first lower section, the first lower section diverging from the first upper section at a first acute angle along a plane substantially perpendicular to the boom axis; and
- a front frame member attached with the frame having a second guide face, the second guide face having (a) a second upper section, the second upper section being substantially vertically orientated and spaced from the first upper section a distance slightly greater than the follower arm width, and (b) a second lower section, the second lower section diverging from the second upper section at a second acute angle along a plane substantially perpendicular to the boom axis, the second acute angle extending in a direction opposite the first acute angle;

wherein the boom is held in a nominal pivotal orientation when the left and right sides are constrained between the first and second upper sections, and the boom is encouraged to a predetermined clockwise or counterclockwise orientation depending on the actuator bias as the follower arm is lowered between the first and second lower sections.

22. (original) The vehicle wash system of claim 2 wherein at least one of the one or more nozzles is a slow rotating turbo nozzle, wherein a spiraling jet of fluid emanating from the slow

rotating turbo nozzle has a rotational speed of less than approximately 1400 revolutions per minute.

- 23. (original) The vehicle wash system of claim 2 wherein at least one of the one or more nozzles is a oscillating nozzle, wherein a jet of fluid emanating from the oscillating turbo nozzle moves back and forth in a generally linear path.
  - 24. (canceled)
- 25. (currently amended) The vehicle washing system of claim 24, A vehicle washing system comprising:

- a platform vertically moveably attached to the framework, the platform including,
- (i) a left bracket in the framework for attachment to a first end of the moveable platform.
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform.
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets, the reciprocating pivotal actuator having a shaft,
- (iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and
- (v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle, and wherein the one or more nozzles are operatively coupled to the boom by way of one or more wand assemblies, each wand assembly comprising:

an attachment member having a stationary section and rotary section, the stationary section being fixedly attached to the boom;

a rotating manifold rotatably coupled to the rotary section;

one or more wands radially disposed on the rotating manifold;

one or more nozzles attached to a distal end of each wand of the one or more wands; and a motor, the motor having a shaft, the shaft being coupled with the rotating manifold.

- 26. (original) The vehicle washing system of claim 25, wherein the shaft is coupled with the rotating manifold by way of a gear assembly.
- 27. (original) The vehicle washing system of claim 25, wherein the interior of each of the one or more wands is hollow and adapted to facilitate fluid flow therein.
- 28. (original) The vehicle washing system of claim 25, wherein the one or more nozzles are 0-degree nozzles.
- 29. (currently amended) The vehicle washing system of claim 24, A vehicle washing system comprising:

- a platform vertically moveably attached to the framework, the platform including,
- (i) a left bracket in the framework for attachment to a first end of the moveable platform,
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform.
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets, the reciprocating pivotal actuator having a shaft,

(iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and

(v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle, and wherein the one or more nozzles are operatively coupled to the boom by way of a wand assembly, the wand assembly comprising:

at least one hollow elongated wand, the elongated wand being reciprocally mounted on the boom;

one or more nozzles mounted on the elongated wand, the one or more nozzles being in fluid communication with the elongated wand;

a motor assembly fixedly mounted with the boom, the motor assembly having an output shaft:

a crank member secured to the output shaft for unitary rotation therewith; and

linkage coupled with the elongated wand at a first location and with the crank member at a second location to reciprocate the elongated wand about an axis generally perpendicular to the length of the elongated wand.

- 30. (original) The vehicle washing system of claim 29, wherein the one or more nozzles are each adapted to emit a stream of liquid that rotates in a conical pattern.
  - 31. (currently amended) The vehicle washing system of claim 24, further comprising:

A vehicle washing system comprising:

- a platform vertically moveably attached to the framework, the platform including.
- (i) a left bracket in the framework for attachment to a first end of the moveable platform.
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform.
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets, the reciprocating pivotal actuator having a shaft,
- (iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and
- (v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle
- a pair of guide members, one guide member located proximate said one boom end and the other guide member located proximate said other boom end, each guide member including;
  - a front guide surface,
- a rear guide surface, the front and rear surfaces being parallel and spaced a first distance from each other, and
  - a bore; and

two pair of front and rear vertical guide rails, such pair of vertical guide rails being affixed to either a left or right side of the framework, each pair of the front and rear guide rails being spaced apart a second distance generally equivalent to the first distance

wherein (i) the front guide surface of each guide member slides against a respective front vertical guide rail, (ii) the rear guide surface of each guide member slides against a respective rear vertical guide rail, and the boom passes through the bore of each guide member.

- 32. (canceled)
- 33. (currently amended) The vehicle washing system of claim 24, A vehicle washing system comprising:

### a framework;

- a platform vertically moveably attached to the framework, the platform including.
- (i) a left bracket in the framework for attachment to a first end of the moveable platform,
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform.
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets, the reciprocating pivotal actuator having a shaft.
- (iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and
- (v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle

further comprising a mechanical stop attached to the platform, the mechanical stop preventing the boom from rotating clockwise or counterclockwise in excess of approximately 90 degrees from a nominal position, the nominal position being the angular orientation of the boom wherein the nozzles are facing vertically downwardly.

- 34. (canceled)
- 35. (currently amended) The vehicle washing system of claim 24, A vehicle washing system comprising:

- a platform vertically moveably attached to the framework, the platform including.
- (i) a left bracket in the framework for attachment to a first end of the moveable platform.
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform.
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets,
  the reciprocating pivotal actuator having a shaft,
  - (iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and
  - (v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle, and wherein the reciprocating pivotal actuator selectively applies a clockwise or counterclockwise bias to the boom, and the platform further comprises:
  - a follower arm, the follower arm including (i) a proximal end fixedly attached to the boom, (ii) a distal end radially and downwardly disposed from the boom, and (iii) left and right sides, the left and right sides spaced apart by a follower arm width;
  - a rear frame member attached with the framework having a first guide face, the first guide face having (a) an first upper section, the first upper section being substantially vertically

orientated, and (b) a first lower section, the first lower section diverging from the first upper section at a first acute angle along a plane substantially perpendicular to the boom axis; and

a front frame member attached with the framework having a second guide face, the second guide face having (a) a second upper section, the second upper section being substantially vertically orientated and spaced from the first upper section a distance slightly greater than the follower arm width, and (b) a second lower section, the second lower section diverging from the second upper section at a second acute angle along a plane substantially perpendicular to the boom axis, the second acute angle extending in a direction opposite the first acute angle;

wherein the boom is held in a nominal angular orientation when the left and right sides are constrained between the first and second upper sections, and the boom is encouraged to a predetermined clockwise or counterclockwise displaced angular orientation depending on the actuator bias as the follower arm is lowered between the first and second lower sections.

36. (currently amended) The vehicle washing system of claim 24, A vehicle washing system comprising:

- a platform vertically moveably attached to the framework, the platform including,
- (i) a left bracket in the framework for attachment to a first end of the moveable platform,
- (ii) a right bracket in the framework for attachment to a second end of the moveable platform,
- (iii) a reciprocating pivotal actuator fixedly attached to one of said left and right brackets, the reciprocating pivotal actuator having a shaft,
- (iv) a boom having left and right boom ends and a longitudinal axis, the boom rotatably attached to the left or right bracket at one boom end, and coupled with the shaft at the other boom end, whereby the boom can be pivoted about the longitudinal axis relative to the left and right brackets, and

(v) one or more nozzles operatively coupled to the boom, wherein the pivotal movement of the boom changes the angular direction of a stream of fluid emitted from each nozzle, and wherein the right bracket is attached to a moveable portion of a vertically disposed linear actuator, a non-moveable portion of the linear actuator being attached with the frame.

- 37. (original) The vehicle washing system of claim 36, wherein the non-moveable portion of the linear actuator is affixed to a base of the framework, below the moveable platform.
  - 38. (original) The vehicle washing system of claim 36, further comprising:

a flexible, non-extensible, elongated member having a two ends, one end of the elongated member being attached to the left bracket and the other end being attached to the right bracket, a portion of the elongated member located between the two ends being slide-ably coupled with the framework;

wherein the first end of the moveable platform is suspended from the elongated member.

- 39.-40. (canceled)
- 41.-88. (withdrawn)
- 89.-93. (canceled)
- 94. (original) The vehicle washing system of claim 1 wherein the one or more nozzles are turbo nozzles.
- 95. (original) The vehicle washing system of claim 2 wherein the one or more nozzles are turbo nozzles.
  - 96. (canceled)
- 97. (original) The vehicle washing system of claim 27 wherein the one or more nozzles are turbo nozzles.
  - 98.-105. (withdrawn)